



## UNITED STATES DEPARTMENT OF COMMERCE

## Patent and Trademark Offic

Address: COMMISSIONER OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
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09/262,458 03/04/99 POSSLEY

B 42390.P6643

<input type="checkbox"/>	EXAMINER
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MMC1/0426

HOWARD A SKAIST INTEL CORPORATION  
BLAKELY SOKOLOFF TAYLOR & ZAFMAN  
12400 WILSHIRE BOULEVARD  
7TH FLOOR  
LOS ANGELES CA 90025

ART UNIT	PAPER NUMBER
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2814

DATE MAILED:

04/26/00

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks

<b>Office Action Summary</b>	Application No. 09/2C2458	Applicant(s) Pussley
	Examiner Nym N.Y.	Group Art Unit 2814

**—The MAILING DATE of this communication appears on the cover sheet beneath the correspondence address—**

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE Three MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, such period shall, by default, expire SIX (6) MONTHS from the mailing date of this communication .
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).

**Status**

Responsive to communication(s) filed on 4-3-00

This action is FINAL.

Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11; 453 O.G. 213.

**Disposition of Claims**

Claim(s) 1 to 26 is/are pending in the application.

Of the above claim(s) 13 to 20 is/are withdrawn from consideration.

Claim(s) \_\_\_\_\_ is/are allowed.

Claim(s) 1 to 12 and 21 to 26 is/are rejected.

Claim(s) \_\_\_\_\_ is/are objected to.

Claim(s) \_\_\_\_\_ are subject to restriction or election requirement.

**Application Papers**

See the attached Notice of Draftsperson's Patent Drawing Review, PTO-948.

The proposed drawing correction, filed on \_\_\_\_\_ is  approved  disapproved.

The drawing(s) filed on \_\_\_\_\_ is/are objected to by the Examiner.

The specification is objected to by the Examiner.

The oath or declaration is objected to by the Examiner.

**Priority under 35 U.S.C. § 119 (a)-(d)**

Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).

All  Some\*  None of the CERTIFIED copies of the priority documents have been received.

received in Application No. (Series Code/Serial Number) \_\_\_\_\_.

received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\*Certified copies not received: \_\_\_\_\_

**Attachment(s)**

Information Disclosure Statement(s), PTO-1449, Paper No(s). \_\_\_\_\_  Interview Summary, PTO-413

Notice of Reference(s) Cited, PTO-892  Notice of Informal Patent Application, PTO-152

Notice of Draftsperson's Patent Drawing Review, PTO-948  Other \_\_\_\_\_

**Office Action Summary**

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The amendment filed April 3, 2000 has been entered and made of record as paper no. 8.

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1-12 and 21-26 stand rejected under 35 U.S.C. 103(a) as being unpatentable over Tran et al (US-5,780,883, cited by Applicants).

Tran discloses in figures 3A and 3B a gate array architecture comprising a plurality of N-type and P-type diffusion regions having polysilicon gates in which the regions have two distinct transistor sizes, smaller N and P type transistors and larger N and P type transistors. It would have been obvious that Tran discloses the claimed device.

In re claim 21, it is well-known to use gate array to form memory device (storage medium as claimed) such as taught by Tran on line 7 of column 2.

Claims 1-12 and 21-26 stand alternatively rejected under 35 U.S.C. 103(a) as being unpatentable over Sato (US-4,816, 887).

Sato discloses a gate array having two distinct transistor sizes on the order of one-third. It would have been obvious that Sato discloses the claimed device.

Applicant's arguments filed April 3, 2000 have been fully considered but they are not persuasive.

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Nothing in Tran discloses that the “non-overlying polysilicon landing sites” as argued by Applicants. In fact figures 3A and 3B show the polysilicon gates 54 overlying the diffusion regions 42, 44, 46, and 48.

Figure 8 of Sato also show the polysilicon gates 7G1, 7G2, 10G1, 10G2, and 3G1 overlying the diffusion regions.

**THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication should be directed to Examiner Ngan Ngo at telephone number (703) 308-4938. The fax phone number for the Art unit is (703) 308-7722.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 308-0956.

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A handwritten signature consisting of the letters "Ngan" and "Van" stacked vertically, followed by "Ngo" and a checkmark symbol.

Ngan Ngo

April 25, 2000

**Ngan Van Ngo**  
**Primary Examiner**